

CLAIMS

1. A device for warning for physical contact of vehicles and protection of the vehicle in case of such a contact, comprising a detecting unit and a warning unit,
5 where said detecting unit is adapted to be attached to a surface and detect a contact of a vehicle with said detecting unit, and where said warning unit is adapted to warn a driver of said vehicle at said detection, **characterized in**, that said detecting unit comprises a force absorbing plate, and a contact device that is working together with said force absorbing plate, that a first side of said plate is adapted to
10 be attached to said surface, that said plate is given an elasticity adopted to absorb part of the forces that can occur at said contact, that said contact unit is adapted to close an electric circuit at said contact, that said warning unit is adapted to give a visual signal and/or an acoustic signal when said electric circuit is closed, that the total elasticity of said detecting unit is adapted to be able to absorb part of the forces that can occur by said contact, and that said warning unit is adapted to give a
15 warning signal at such a contact, in a way so that a driver of the vehicle can become aware of said warning signal before said forces can have a damaging influence on said vehicle.
- 20 2. A device according to claim 1, **characterized in**, that said contact device comprises an external contact surface, an internal contact surface, and a between those said contact surfaces is positioned elastic material that is electrically isolating at normal pressure and that becomes electrically conductive at external pressure.
- 25 3. A device according to claim 1, **characterized in**, that said contact device comprises an external contact surface, an internal contact surface, and an elastic or springy distance device, and that said distance device is adapted to at normal pressure keep a distance between the external and internal contact surfaces, and
30 that said distance device is adapted to be compressed when it is subject do external force, so that an electrical contact occur between said external and internal contact surfaces.

4. A device according to claim 3, **characterized** in, that at least said external or internal contact surfaces is given a contact body, adapted to give said contact device elastic or springy properties also in a situation when the contact device is closed.

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5. A device according to claim 4, **characterized** in, that said contact body is made elastic or springy, such as an electrically conducting spring or a contact body of elastic material, with said contact surface situated at the end of said contact body.

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6. A device according to any preceding claim, **characterized** in, that said detecting unit is made of a number of cooperating contact devices.

7. A device according to claim 6, **characterized** in, that said contact devices
15 are connected to a common electrical circuit.

8. A device according to claim 6, **characterized** in, that said contact devices are placed in a pattern, such as in a row, or more rows and columns, that said contact devices are connected to between each other different electrical circuits in
20 a way that makes it possible to detect which one of said contact devices that closes an electrical circuit, and that said warning unit is adapted to display on which place of the detecting unit a physical contact occurs.

9. A device according to any one of claims 3 to 8, **characterized** in, that said
25 plate and the entire or parts of said distance is given one or more, against said first side directed, notches, through which said detecting unit is adapted to be bent around and attached to non-flat surfaces, such as poles, pillars or corners.

10. A device according to any preceding claim, **characterized** in, that said
30 plate is made bendable, so that said detecting unit is adapted to be attached to non-plane surfaces, such as poles, pillars or corners.

11. A device according to any preceding claim, **characterized** in, that said plate is made in the shape of an angle, through which said detecting unit is adapted to be attached around a corner.
- 5 12. A device according to any preceding claim, **characterized** in, that said warning unit stands in electrical connection with said detecting unit.
13. A device according to any one of claims 1 to 11, **characterized** in, that said warning unit stands in wireless connection with said detecting unit.
- 10 14. A device according to claim 13, **characterized** in, that said warning unit is placed inside a vehicle.
- 15 15. A device according to any preceding claim, **characterized** in, that said electrical circuit is powered by low power current, such as from a battery and/or main voltage via a transformer.